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In re PATENT APPLICATION of  
Inventor(s) 09,282,422  
Appl. No. 09,282,422  
series code ↑ ↑ serial no.  
Filed: March 31, 1999

Group Art Unit: 3744  
Examiner: JONES, M.

Atty. Dkt. PMS 258714

Date: Sep 24, 1999 M#

TITLE:

Name or type of signed paper being transmitted: \_\_\_\_\_

Second Preliminary Amendment

MESSAGE:

Please deliver to Exr M. Jones ASAP!

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Name Renell Feimster Sig. Renell Feimster Date 9/24/99

41194 258714  
C# / M#

PATENT  
APPLICATION

Inventor(s): NAKAGAWA, et al.

Appln. No.: 09  
Serial No. ↑ 282,422  
Serial No. ↑

Group Art Unit 3744

Examiner: JONES, M.

Atty. Dkt. PM 258714  
M# TYF-97232  
Client Ref

Filed: March 31, 1999

Aast. Commissioner of Patents  
Washington, D.C. 20231

Appln. Title: AIR CONDITIONER FOR A VEHICLE

Sir:

**SECOND PRELIMINARY AMENDMENT**

Date: September 24, 1999

This is a second preliminary amendment in the above-identified application and includes the herewith attachment of same date and subject which is incorporated herelinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

**FEE REQUIREMENTS FOR CLAIMS AS AMENDED**

1. "Small Entity" statement(s) filed

☐ previously  
☐ herewith

(No.)

<input type="checkbox"/> previously herewith	(No.)	Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code
2. Total Effective Claims		8	**minus 20	0	x \$18/\$9 =	+ 0	103/203
3. Independent Claims		4	***minus 4	0	x \$78/\$39 =	+ 0	102/202
4. If amendment enters proper multiple dependent claim(a) into this application for first time (leave blank if this is a reissue application).....add					+ \$260/\$130 =	+ 0	104/204
5. Original due Date:		<input checked="" type="checkbox"/> NONE					
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo)	\$110/\$55 =	+ 0			115/215
		(2 mos)	\$380/\$180 =				116/216
		(3 mos)	\$870/\$435 =				117/217
7. Enter any previous extension fee paid since above original due date and subtract				-			
8.							
9. If Terminal Disclaimer attached, add Rule 20(d) official fee .....				Extension Fee Attached		+ 0	
10. If IDS attached requires Official Fee, .....add				+ \$110/\$55 =		+ 0	148/248
or If Rule 97(d) Petition .....add				+ \$240 =		+ 0	126
11. After-Final Request Fee per rules 129(a) and 17(r) .....add				+ \$130 =		+ 0	122
12. No. of additional inventions for examination per Rule 129(b) .....				+ \$760/380 =		+ 0	148/248
13. Petition fee for .....				x \$760/380 ea =		+ 0	149/249
14.						+ 0	
TOTAL FEE ENCLOSED =						\$0	
15. *If the entry in this space is less than entry in next space, the "Present Extra" entry is							

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Dep. Acc. # 03-3975

Our Order No. 41194

C# 258714  
M#

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 18-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown in the heading hereof, for which purpose a duplicate copy of this sheet is attached.  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Atty. Dkt. No.: 258714

NAKAGAWA, et al.

Group Art Unit: 3744

Appln. No.: 09/282,422

Examiner: JONES, M.

Filed: March 31, 1999

FOR: AIR CONDITIONER FOR A VEHICLE

\* \* \* \* \*

September 24, 1999

SECOND PRELIMINARY AMENDMENT

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Please amend this application as follows after entering the March 31, 1999 Amendment as to the replacement insert on page 2 starting at 7 lines up from the bottom and extending through page 13 last line, and ignore the conflicting amendments in that Amendment concerning pages 12 and 13, but enter the rest of the Amendment, and further amend this application as follows:

Page 14, above line 1, insert:

--BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a schematic structural diagram of an air conditioner according to a first embodiment.

Fig. 2 is a schematic structural diagram which shows the arrangement of an engine and an electric motor of a hybrid car applied to the first embodiment.

Fig. 3 is a flow chart which shows an example of heat storage processing.

Fig. 4 is a flow chart which shows an example of heat dissipation processing.

Fig. 5 is a schematic structural diagram of a hybrid car and an air conditioner according to a second embodiment.

Fig. 6 is a schematic structural diagram of a hybrid car and an air conditioner according to a third embodiment.

Fig. 7A is a schematic structural diagram of an air conditioner applied to a fourth embodiment.

Fig. 7B is a schematic structural diagram which shows transmission of driving force based on Fig 11A.

Fig. 7C is a schematic structural diagram which shows another example of transmission of driving force, which is different from that in Fig. 11B.

Fig. 8 is a flow chart which shows an example of a driving-source switching operation according to the fourth embodiment.

#### BEST MODES FOR CARRYING OUT THE INVENTION

An air conditioner for a vehicle according to the present invention will be hereinafter described in detail with reference to the attached drawings.  
(First Embodiment)

Fig. 1 shows a schematic structure of an air conditioner for a vehicle (hereinafter referred to as "air conditioner 10") applied to a first embodiment. Fig. 2 schematically shows a portion of a hybrid car 12, which is an example of a vehicle equipped with the air conditioner 10.---

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